

ESENSE+

Hand Foam Sanitiser



Product specification

Appearance: Clear liquid
 Colour: Colourless Odour
 pH: 5.00 – 7.00 (20°C)
 S.G.: 0.980 – 1.000 (20°C)
 Viscosity: Water thin; 0 – 20cps

Directions for use

On to dry hands, dispense as many pumps necessary to give good coverage. Rub hands together, especially between fingers and around nails, until product has dried. Do not rinse off. Repeat as necessary.

Storage

Keep containers upright. Store in tightly-closed, original container in a dry, cool and well ventilated place. Protect from freezing and direct sunlight. Avoid contact with oxidising agents. Store at temperatures not exceeding 35°C.

Active ingredients

Didecyl Ddimethyl Ammonium Chloride
 Chlorhexidine Digluconate
 Active ingredients by volume <1%

Shelf life stability data

2 years under recommended storage conditions.

Established following criteria for accelerated storage test in section 3.4.1.1 of ECHA guidance on the BPR: Volume I. Part A. Chapter III: Requirements for Biocidal Products. Version 1.1 November 2014

EFFICACY / ENVIRONMENTAL TEST DATA

Test method	Result
96-hour patch test	"Based on the data, the test article can be considered as safe for use and claims such as, 'Dermatologically tested', 'Clinically tested', 'Clinically proven', 'Kind to skin', 'Mild for skin' and 'Safe for skin' are all substantiated".
Potential Taint from Direct Contact with Test Materials	"The test results indicate that the test product; B2035 Hand Foam Sanitiser, does not have the potential to taint when tested as above".
Trans epidermal water loss (TEWL) test	"When compared to the positive control, the TEWL values (p<0.05) indicate the product does not compromise the skin barrier as harshly as the positive control (70% v/v ethanol). Based on this, the claims of, "Kind to skin", "Maintains skins natural moisture levels", "Maintains skins natural hydration" and "Does not compromise the skin as harshly as ethanol" are substantiated for the test article".

Residual antimicrobial activity, Surface test using artificial skin model

Test method	Standard test organisms	Additional organisms	Standard test conditions	Log reduction required	Result
Residual antimicrobial efficacy on VitroSkin		<i>E. coli</i> (K12)		>3log reduction of microorganism in 5 mins, 8-hour post product application to VitroSkin	>3log reduction in 5 mins, 8-hour post product application to VitroSkin

Antimicrobial efficacy (cont.)

Bactericidal activity, Quantitative suspension test						
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result
ENI276	<i>E. coli</i>		1 min, low soil		>5log	>5log, 1 min, low soil
ENI276 / ENI3727	<i>E. hirae</i>		1 min, low soil		>5log	>5log, 1 min, low soil
ENI276 / ENI3727	<i>P. aeruginosa</i>		1 min, low soil		>5log	>5log, 1 min, low soil
ENI276 / ENI3727	<i>S. aureus</i>		1 min, low soil		>5log	>5log, 1 min, low soil
ENI3727	<i>E. coli</i> (K12)		1 min, low soil		>5log	>5log, 1 min, low soil
ENI276		<i>L. monocytogenes</i>	1 min, low soil		>5log	>5log, 1 min, low soil
ENI276		<i>S. typhimurium</i>	1 min, low soil		>5log	>5log, 1 min, low soil
ENI276		MRSA	1 min, low soil		>5log	>5log, 1 min, low soil
ENI276		<i>S. pyogenes</i>	1 min, low soil		>5log	>5log, 1 min, low soil
ENI276		<i>C. jejuni</i>	1 min, low soil		>5log	>5log, 1 min, low soil
ENI276		<i>E. faecalis</i> (VRE)	1 min, low soil		>5log	>5log, 1 min, low soil
ENI276		<i>K. pneumoniae</i> (CRE)	1 min, low soil		>5log	>5log, 1 min, low soil

Bactericidal activity, Quantitative hygienic handrub test					
Test method	Standard test organisms	Additional organisms	test conditions	Test requirement	Result
ENI500	<i>E. coli</i> (K12)		2 x application of test product over 1 min.	Test product must be statistically noninferior to 2 x applications of 60% propan-2-ol reference formulation over 1 min	Test product was noninferior to 60% propan-2-ol and therefore satisfies the requirements of ENI500

Yeasticidal activity, Quantitative suspension test					
Test method	Standard test organisms	Additional organisms	Additional test conditions	Log reduction required	Result
ENI650 / ENI3624	<i>C. albicans</i>		1 min, low soil	>4log	>4log, 1 min, low soil

Virucidal activity, Quantitative suspension test						
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result
ENI4476		Human Rotavirus strain Wa	30 -120 secs, low soil		>4log	>4log, 30 secs, low soil
ENI4476		Influenza A virus H1N1 (swine)	30 -120 secs, low soil		>4log	>4log, 30 secs, low soil